SERIES

K10

Ball Fittings hand-operated

Brass nickel-plated
Stainless steel

price query on:
pneumatikshop.de

Application

Hand-operated ball fittings are applied for blocking and redirecting of gaseous and liquid media.

In plant engineering or in the chemical industry for the process sequence there are mainly applied these ball valves.

Absolute tightness is reached in the application with vacuum.

Technical Data

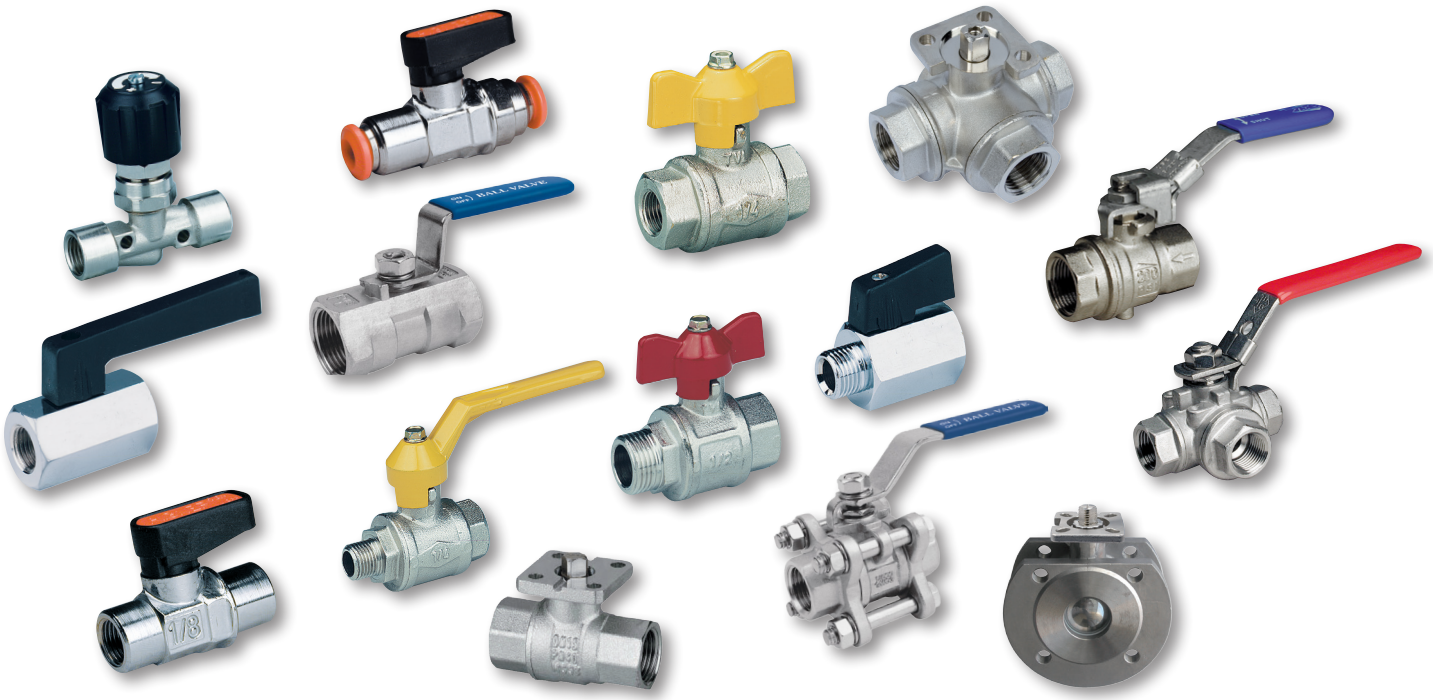
The technical data as well as the application range are attributed to the respective article in the catalog.

NOTE
(sleeve valves, universal ball valves and compact-sleeve valves):
Unless otherwise stated, the valves are manufactured in accordance with Art. 4 Para. 3 of the Pressure Equipment Directive PED 2014/68/EU.
The stated operating parameters of the valves refer only to non-overheated liquids of group 2 according to PED.

Mounting

- 2/2-way ball valves can be pressurized from either side.
- For 3/2-way ball valves, the listed wiring diagrams must be observed.
- The ball valves are firmly connected to pipelines made of copper, stainless steel, steel or plastic.
- Fittings and installation material can be found in our

  Series F10 = Fittings
  Series J10 = Installation material



Needle Valves
2/2-way; housing: brass nickel-plated

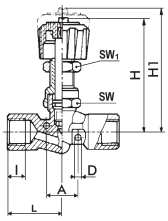
Pmax: 10 bar

Application: Needle valves are applied in all cases where the flow of air and liquid quantities has be be dosed and regulated precisely. The flow rate can be determined by the simple turning of the hand wheel.

Technical data

Connection	:	Withworth tube thread, cylindrical, male thread, conical
Pressure range	:	0 - 10 bar
Temperature	:	0°C up to + 80°C
Medium	:	Air pressure, water, oil, petrol, solvent, vapor
Mech. characterisitics	:	High surface protection by nickel-plating
Nominal diameter	:	1/8" and 1/4" : 4 mm 3/8" and 1/2" : 8 mm

Material:	housing	handle	valve spindle
	brass nickel-plated	nylon 66, black	brass
Sealing:	**valve seat**	**spindle sealing**	
	soft sealing	Perbunan - NBR	



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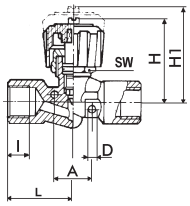
2/2-Way-Needle Valve for the switchboard installation
double-sided female thread

brass nickel-plated

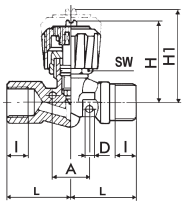
order-no.	type	thread	I	A	D	L	H	H1	SW	SW1	VPE
20017805	K-NA-100-1/8-22-II-MSv	G1/8	8,0	17,5	4,2	26	50	56	19	17	10
20010806	K-NA-100-1/4-22-II-MSv	G1/4	11,0	17,5	4,2	28	50	56	19	17	10
20016807	K-NA-100-3/8-22-II-MSv	G3/8	11,5	20,0	4,2	33	58	65	21	17	10
20012808	K-NA-100-1/2-22-II-MSv	G1/2	14,0	20,0	4,2	37	58	65	21	17	10



2/2-Way-Needle Valve
double-sided female thread

brass nickel-plated

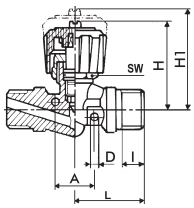
order-no.	type	thread	I	A	D	L	H	H1	SW	VPE
20010029	K-NA-140-1/8-22-II-MSv	G1/8	8,0	17,5	4,2	26	36	42,0	19	10
20010030	K-NA-140-1/4-22-II-MSv	G1/4	11,0	17,5	4,2	28	36	42,0	19	10
20010031	K-NA-140-3/8-22-II-MSv	G3/8	11,5	20,0	4,2	33	45	51,5	21	10
20010032	K-NA-140-1/2-22-II-MSv	G1/2	14,0	20,0	4,2	37	45	51,5	21	10



2/2-Way-Needle Valve
female-male thread

brass nickel-plated

order-no.	type	thread	I	A	D	L	H	H1	SW	VPE
20010079	K-NA-220-1/8-22-IA-MSv	G1/8	8,0	17,5	4,2	26.0	36	42,0	19	10
20010080	K-NA-220-1/4-22-IA-MSv	G1/4	11,0	17,5	4,2	28.0	36	42,0	19	10
20010081	K-NA-220-3/8-22-IA-MSv	G3/8	11,5	20,0	4,2	33.0	45	51,5	21	10
20010082	K-NA-220-1/2-22-IA-MSv	G1/2	14,0	20,0	4,2	37.0	45	51,5	21	10



2/2-Way-Needle Valve
double-sided male thread

brass nickel-plated

order-no.	type	thread	I	A	D	L	H	H1	SW	VPE
20019705	K-NA-300-1/8-22-AA-MSv	R1/8	8,0	17,5	4,2	26	36	42,0	19	10
20012706	K-NA-300-1/4-22-AA-MSv	R1/4	11,0	17,5	4,2	28	36	42,0	19	10
20018707	K-NA-300-3/8-22-AA-MSv	R3/8	11,5	17,5	4,2	33	36	42,0	19	10
20014708	K-NA-300-1/2-22-AA-MSv	R1/2	14,0	20,0	4,2	37	45	51,5	21	10

Technical and visual modifications are reserved.

Mini - Ball Valves

2/2-way; housing: brass chrome-plated - reduced pass

Pmax: 10 bar

Series K10

Application: Mini-ball Valves are applied in all cases where in a tube or hose pipeline system the line has to be blocked. By turning the handle by 90° gaseous as well as liquid volume flows can be blocked.

Technical data

Connection	:	Withworth-tube thread, cylindrical
Pressure range	:	0 - 10 bar
Temperature	:	- 10°C up to + 90°C
Medium	:	compressed air, liquids (please pay attention to the material resistances)
Mech. characterisitics	:	high surface protection because of chrome-plating

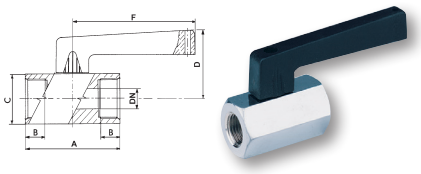
Material:	**housing**	**ball**	**handle**
	brass chrome-plated	brass nickel-plated	nylon 66, black

Sealings:	**spindle sealing**	**ball sealing**
	Perbunan (NBR)	PTFE

2/2-Way Mini-Ball Valve

double-sided female thread - with lever

brass chrome-plated



order-no.	type	thread	DN	B	A	C	D	F	VPE
20060029	K-MI-101-1/8-22-II-MSv	G1/8	6	9,0	39	21	32,0	62	10
20060030	K-MI-101-1/4-22-II-MSv	G1/4	8	9,0	39	21	32,0	62	10
20060031	K-MI-101-3/8-22-II-MSv	G3/8	8	10,0	42	21	32,0	62	10
20060032	K-MI-101-1/2-22-II-MSv	G1/2	10	10,5	47	25	34,0	62	10
20060033	K-MI-101-3/4-22-II-MSv	G3/4	12	13,5	54	30	36,5	62	10

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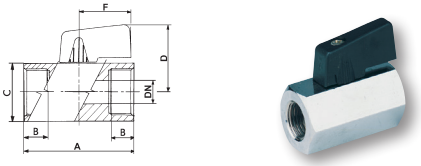
2/2-Way Mini-Ball Valve

double-sided female thread - with lever

brass chrome-plated

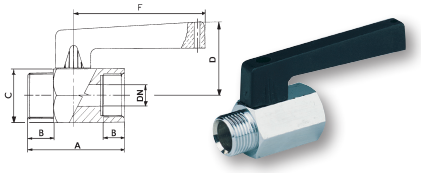


order-no.	type	thread	DN	B	A	C	D	F	VPE
20061905	K-MI-121-1/8-22-II-MSv	G1/8	6	9,0	39	21	27,0	22	10
20069906	K-MI-121-1/4-22-II-MSv	G1/4	8	9,0	39	21	27,0	22	10
20065907	K-MI-121-3/8-22-II-MSv	G3/8	8	10,0	42	21	27,0	22	10
20061908	K-MI-121-1/2-22-II-MSv	G1/2	10	10,5	47	25	29,0	22	10
20067909	K-MI-121-3/4-22-II-MSv	G3/4	12	13,5	54	30	31,5	22	10

2/2-Way Mini-Ball Valve

female-male thread - with lever

brass chrome-plated

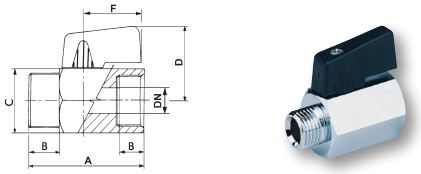


order-no.	type	thread	DN	B	A	C	D	F	VPE
20060155	K-MI-141-1/8-22-IA-MSv	G1/8	6	9,0	39	21	32,0	62	10
20060156	K-MI-141-1/4-22-IA-MSv	G1/4	8	9,0	39	21	32,0	62	10
20060157	K-MI-141-3/8-22-IA-MSv	G3/8	8	9,0	40	21	32,0	62	10
20060158	K-MI-141-1/2-22-IA-MSv	G1/2	10	10,5	45	25	34,0	62	10
20060159	K-MI-141-3/4-22-IA-MSv	G3/4	12	13,5	51	30	36,5	62	10

2/2-Way Mini-Ball Valve

female-male thread - with lever

brass chrome-plated

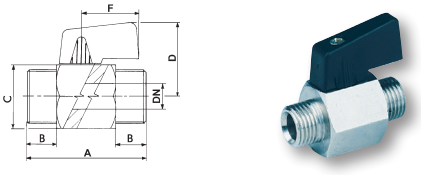


order-no.	type	thread	DN	B	A	C	D	F	VPE
20061955	K-MI-161-1/8-22-IA-MSv	G1/8	6	9,0	39	21	27,0	22	10
20061956	K-MI-161-1/4-22-IA-MSv	G1/4	8	9,0	39	21	27,0	22	10
20067957	K-MI-161-3/8-22-IA-MSv	G3/8	8	9,0	40	21	27,0	22	10
20063958	K-MI-161-1/2-22-IA-MSv	G1/2	10	10,5	45	25	29,0	22	10
20069959	K-MI-161-3/4-22-IA-MSv	G3/4	12	13,5	51	30	31,5	22	10

2/2-Way Mini-Ball Valve

double-sided male thread - with lever

brass chrome-plated



order-no.	type	thread	DN	B	A	C	D	F	VPE
20060306	K-MI-201-1/4-22-AA-MSv	G1/4	8	9,0	39	21	27	22	10
20060307	K-MI-201-3/8-22-AA-MSv	G3/8	8	9,0	40	21	27	22	10
20060308	K-MI-201-1/2-22-AA-MSv	G1/2	10	10,5	45	25	29	22	10

Mini - Ball Valves

2/2-way; housing: stainless steel - reduced pass

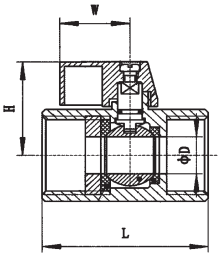
Pmax: 10 bar

Application: Mini-ball Valves are applied in all cases where in a tube or hose pipeline system the line has to be blocked. By turning the handle by 90° gaseous as well as liquid volume flows can be blocked.

Technical data

Connection	:	Withworth-tube thread, clindrical
Pressure range	:	0 - 10 bar
Temperature	:	- 10°C up to + 90°C
Medium	:	compressed air, liquids (please pay attention to the material resistances)

Material:	housing	ball	handle
	stainless steel 304	stainless steel 304	aluminium
Sealings:	**spindle sealing**	**ball sealing**	
	FKM	PTFE	



2/2-Way Mini-Ball Valve

double-sided female thread - with toggle

stainless steel

order-no.	type	thread	D	L	H	W	VPE
20060640	K-MI-821-1/4-22-II-VA	G1/4	7.0	42	25,2	23.0	1
20060641	K-MI-821-3/8-22-II-VA	G3/8	7.0	42	25,2	23.0	1
20060642	K-MI-821-1/2-22-II-VA	G1/2	9,2	46	27,2	23.0	1

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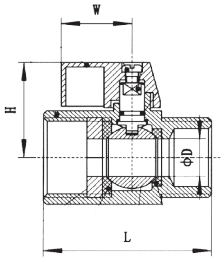


2/2-Way Mini-Ball Valve

female-male thread - with toggle

stainless steel

order-no.	type	thread	D	L	H	W	VPE
20060650	K-MI-861-1/4-22-IA-VA	G1/4	7.0	42	25,2	23.0	1
20060651	K-MI-861-3/8-22-IA-VA	G3/8	7.0	42	25,2	23.0	1
20060652	K-MI-861-1/2-22-IA-VA	G1/2	9,2	46	27,2	23.0	1

Technical and visual modifications are reserved.

Mini - Ball Valves

2/2-way; housing: brass nickel-plated - reduced pass

Pmax: 20 bar

Series K10

Application: Mini-ball Valves are applied in all cases where in a tube or hose pipeline system the line has to be blocked. By turning the handle by 90° gaseous as well as liquid volume flows can be blocked.

Technical data

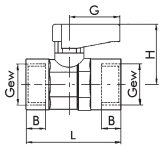
Connection	:	Withworth-tube thread, cylindrical ISO 228
Pressure range	:	-0,99 up to 20 bar
Temperature	:	-10°C up to + 80°C
Medium	:	compressed air, liquids (please pay attention to the material resistances)
Mech. characterisitics	:	high surface protection because of chrome-plating/ nickel-plating

Material:	**housing**	**ball**	**handle**
	brass chrome-plated/ nickel plated	brass chrome-plated/ nickel plated	PA
Sealings:	**spindle sealing**	**ball sealing**	
	Perbunan (NBR)	PTFE FKM (on request)	

2/2-Way Mini-Ball Valve

double-sided female thread - with toggle

brass nickel-plated



order-no.	type	thread	DN	B	L	G	H	VPE
20060410	K-MI-6400-1/8-22-II-MSv	G1/8	5,5	7	35	19	21,0	10
20060411	K-MI-6400-1/4-22-II-MSv	G1/4	5,5	8	37	19	21,0	10
20060413	K-MI-6400-3/8-22-II-MSv	G3/8	8,0	9	42	19	22,0	10
20060414	K-MI-6400-1/2-22-II-MSv	G1/2	10,0	10	49	26	30,5	10
20060415	K-MI-6400-3/4-22-II-MSv	G3/4	14,0	12	58	50	33,0	10

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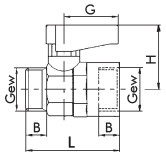
2/2-Way Mini-Ball Valve

female-male thread - with toggle

brass nickel-plated

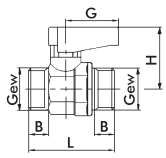


order-no.	type	thread	DN	B	L	G	H	VPE
20060416	K-MI-6410-1/8-22-IA-MSv	G1/8	5,5	7	34	19	21,0	10
20060417	K-MI-6410-1/4-22-IA-MSv	G1/4	5,5	8	35	19	21,0	10
20060418	K-MI-6410-3/8-22-IA-MSv	G3/8	8,0	9	39	19	22,0	10
20060419	K-MI-6410-1/2-22-IA-MSv	G1/2	10,0	10	45	26	30,5	10
20060420	K-MI-6410-3/4-22-IA-MSv	G3/4	14,0	12	52	50	33,0	10

2/2-Way Mini-Ball Valve

double-sided male thread - with toggle

brass nickel-plated

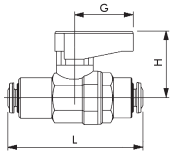


order-no.	type	thread	DN	B	L	G	H	VPE
20060421	K-MI-6420-1/8-22-AA-MSv	G1/8	5,5	7	32	19	21,0	10
20060422	K-MI-6420-1/4-22-AA-MSv	G1/4	5,5	8	33	19	21,0	10
20060423	K-MI-6420-3/8-22-AA-MSv	G3/8	8,0	9	37	19	22,0	10
20060424	K-MI-6420-1/2-22-AA-MSv	G1/2	10,0	10	42	26	30,5	10
20060425	K-MI-6420-3/4-22-AA-MSv	G3/4	14,0	12	49	50	33,0	10

2/2-Way Mini-Ball Valve

push-in connection - with toggle

brass nickel-plated

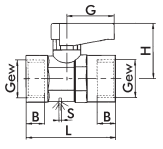


order-no.	type	hose outer ø	L	G	H	VPE
20060484	K-MI-6560-22-B4-MSv	4	44	19	21	10
20060485	K-MI-6560-22-B6-MSv	6	48	19	21	10
20060486	K-MI-6560-22-B8-MSv	8	48	19	21	10

3/2-Way Mini-Ball Valve with exhaust

double-sided female thread - with toggle

brass nickel-plated



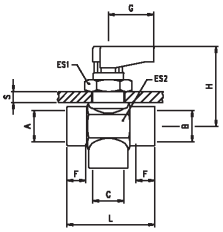
order-no.	type	thread	DN	B	L	S	G	H	VPE
20060464	K-MI-6600-1/8-22-II-E-MSv	G1/8	5,5	7.0	35	2,5	19	21	10
20060465	K-MI-6600-1/4-22-II-E-MSv	G1/4	5,5	8,0	37	2,5	19	21	10
20060466	K-MI-6600-3/8-22-II-E-MSv	G3/8	8,0	9.0	42	3.0	19	22	10

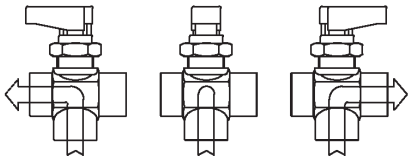
Technical and visual modifications are reserved.

Mini - ball valves

2/2 - 3/3 way; housing: brass chrome-plated

Pmax: 20 bar





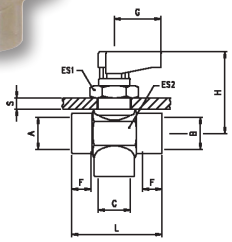
3/3-Way Mini-Ball Valve - Kein Gas

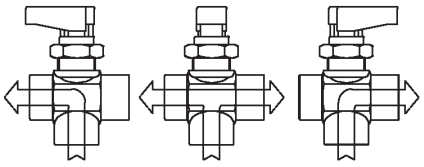
double-sided male thread - with toggle

brass chrome-plated

order-no.	type	thread	DN	ES1	ES2	L	G	H1	H2	Smax	VPE
20060600	K-MI-6700-1/8-L-II-MSv	1/8	5.0	17	17	35	19	33,5	15,5	4,5	10
20060601	K-MI-6700-1/4-L-II-MSv	1/4	5.0	17	17	37	19	33,5	17,5	4,5	10
20060602	K-MI-6700-3/8-L-II-MSv	3/8	7.0	17	21	42	19	35.0	19,5	4,5	10

K10



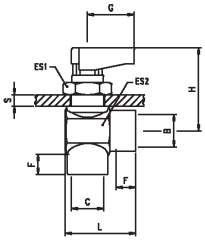


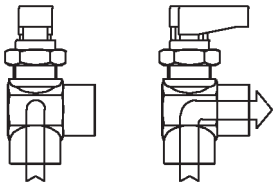
3/3-Way Mini-Ball Valve - Kein Gas

double-sided male thread - with toggle

brass chrome-plated

order-no.	type	thread	DN	ES1	ES2	L	G	H1	H2	Smax	VPE
20060603	K-MI-6710-1/8-T-II-MSv	1/8	5.0	17	17	35	19	33,5	15,5	4,5	10
20060604	K-MI-6710-1/4-T-II-MSv	1/4	5.0	17	17	37	19	33,5	17,5	4,5	10
20060605	K-MI-6710-3/8-T-II-MSv	3/8	7.0	17	21	42	19	35.0	19,5	4,5	10





2/2-Way Mini-Ball Valve - Kein Gas

double-sided female thread - with toggle

brass chrome-plated

order-no.	type	thread	DN	ES1	ES2	L	G	H1	H2	Smax	VPE
20060606	K-MI-6720-L-1/8-II-MSv	1/8	5.0	17	17	28,5	19	33,5	15,5	4,5	10
20060607	K-MI-6720-L-1/4-II-MSv	1/4	5.0	17	17	28,5	19	33,5	17,5	4,5	10
20060608	K-MI-6720-L-3/8-II-MSv	3/8	7.0	17	17	31.0	19	35.0	19,5	4,5	10

Technical and visual modifications are reserved.

Sleeve Valves
2/2-Wege; housing: brass nickel-plated - full pass

Pmax: 25 bar

Series K10

Application: Sleeve valves are applied in all cases where with liquid or gaseous media in a tube or hose pipeline system the line has to be blocked. With a simple turning of the hand lever by 90° degrees a volume flow can be blocked.

NOTE:
Unless otherwise stated, the valves are manufactured in accordance with Art. 4 Para. 3 of the Pressure Equipment Directive PED 2014/68/EU.

The stated operating parameters of the valves refer only to non-overheated liquids of group 2 according to PED.

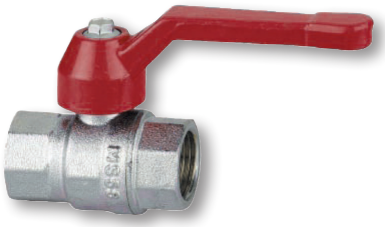
Technical data

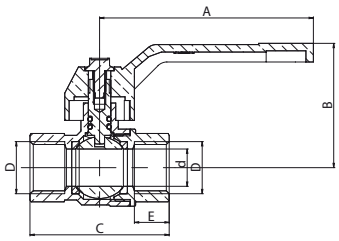
Connection	:	BSP cylindrical
Pressure range	:	max. 25 bar
Temperature	:	- 15°C up to + 80°C
Medium	:	compressed air, liquids (please pay attention to the material resistances)
Mech. characterisitics	:	high surface protection by nickel-plating

Material:	**housing**	**ball**	**handle**
	brass nickel-plated	brass, hard-chrome plated	aluminium, red
Sealings:	**spindle sealing**	**ball sealing**	
	NBR	PTFE	

2/2-Way Sleeve Valve
double-sided female thread - with lever - full pass

brass nickel-plated



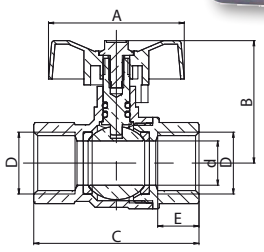


order-no.	type	thread	d	A	B	C	E	VPE
20077456	K-MU-100-1/4-22-II-MSv	G1/4	8	75	31	44	11	10
20073457	K-MU-100-3/8-22-II-MSv	G3/8	10	75	33	45	11	10
20079458	K-MU-100-1/2-22-II-MSv	G1/2	15	90	49	56	14	10
20075459	K-MU-100-3/4-22-II-MSv	G3/4	20	90	50	64	15	5
20076460	K-MU-100-1-22-II-MSv	G1	25	120	65	74	17	5
20075461	K-MU-100-1¼-22-II-MSv	G1¼	32	120	70	85	18	5
20077463	K-MU-100-1½-22-II-MSv	G1½	40	150	80	98	20	4
20079465	K-MU-100-2-22-II-MSv	G2	49	150	87	110	21	2
20074468	K-MU-100-2½-22-II-MSv	G2½	64	200	120	134	21	1
20077470	K-MU-100-3-22-II-MSv	G3	78	240	135	160	25	1
20078473	K-MU-100-4-22-II-MSv	G4	90	240	145	186	30	1

K10

2/2-Way Sleeve Valve
double-sided female thread - with toggle - full pass

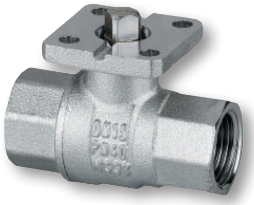
brass nickel-plated

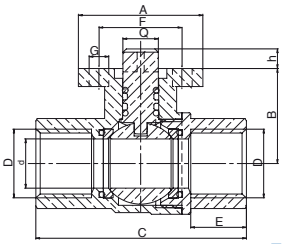


order-no.	type	thread	d	A	B	C	E	VPE
20070506	K-MU-120-1/4-22-II-MSv	G1/4	8	40	31	44	11	10
20070507	K-MU-120-3/8-22-II-MSv	G3/8	10	40	33	45	11	10
20070508	K-MU-120-1/2-22-II-MSv	G1/2	15	46	42	56	14	10
20070509	K-MU-120-3/4-22-II-MSv	G3/4	20	46	45	64	15	5
20070510	K-MU-120-1-22-II-MSv	G1	25	60	55	74	17	5

2/2-Way Sleeve Valve two piece body, double-sided female thread - flange plate ISO 5211 - full pass

brass nickel-plated





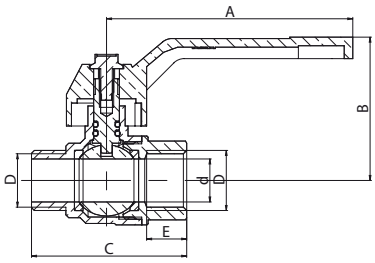
order-no.	type	thread	d	PN bar	□A	B	C	E	H	□Q	VPE
20070300	K-MU-130-1/4-22-II-MSv-ISO	G1/4	11,5	40	38	29	65	17	6	9	1
20070301	K-MU-130-3/8-22-II-MSv-ISO	G3/8	15.0	40	38	29	65	17	6	9	1
20070302	K-MU-130-1/2-22-II-MSv-ISO	G1/2	15.0	40	38	29	65	17	6	9	5
20070303	K-MU-130-3/4-22-II-MSv-ISO	G3/4	20.0	40	38	32	75	19	7	9	1
20070304	K-MU-130-1-22-II-MSv-ISO	G1	25.0	32	50	36	86	21	10	9	1
20070305	K-MU-130-1 1/4-22-II-MSv-ISO	G1¼	32.0	32	50	41	95	22	11	9	1
20070306	K-MU-130-1 1/2-22-II-MSv-ISO	G1½	38.0	30	50	57	101	22	12	11	1
20070307	K-MU-130-2-22-II-MSv-ISO	G2	47.0	30	50	64	120	25	11	11	1
20070308	K-MU-130-2 1/2-22-II-MSv-ISO	G2½	64.0	30	70	90	165	34	15	14	1
20070309	K-MU-130-3-22-II-MSv-ISO	G3	78.0	25	70	100	188	37	15	14	1

Technical and visual modifications are reserved.

Sleeve Valves

2/2-Wege; housing: brass nickel-plated - full pass

Pmax: 30 bar



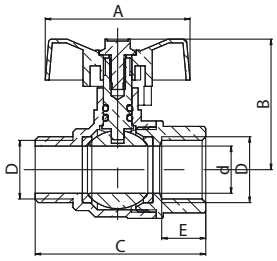
2/2-Way Sleeve Valve

female-male thread - with lever - full pass

brass nickel-plated

order-no.	type	thread	d	A	B	C	E	VPE
20071556	K-MU-140-1/4-22-IA-MSv	G1/4	8	75	31	44	11	10
20077557	K-MU-140-3/8-22-IA-MSv	G3/8	10	75	33	45	11	10
20073558	K-MU-140-1/2-22-IA-MSv	G1/2	15	90	49	54	14	10
20079559	K-MU-140-3/4-22-IA-MSv	G3/4	20	90	50	62	15	5
20070560	K-MU-140-1-22-IA-MSv	G1	25	120	65	73	17	5
20079561	K-MU-140-1¼-22-IA-MSv	G1¼	32	120	70	85	18	5
20071563	K-MU-140-1½-22-IA-MSv	G1½	40	150	80	96	20	4
20073565	K-MU-140-2-22-IA-MSv	G2	49	150	87	110	21	2

K10



2/2-Way Sleeve Valve

female-male thread - with toggle - full pass

brass nickel-plated

order-no.	type	thread	d	A	B	C	E	VPE
20070031	K-MU-160-1/4-22-IA-MSv	G1/4	8	40	31	44	11	10
20070032	K-MU-160-3/8-22-IA-MSv	G3/8	10	40	33	45	11	10
20070033	K-MU-160-1/2-22-IA-MSv	G1/2	15	46	42	54	14	10
20070034	K-MU-160-3/4-22-IA-MSv	G3/4	20	46	45	62	15	5
20070035	K-MU-160-1-22-IA-MSv	G1	25	60	55	73	17	5

Technical and visual modifications are reserved.

Sleeve Valves - stainless steel

2/2-Wege - one piece body and two piece body - stainless steel 1.4408

Application: 2/2-way stainless steel sleeve valves are applied in all cases where with agressive liquid and gaseous media in a tube or hose pipeline system the line has to be blocked. With a simple turning of the hand lever by 90° degrees a volume flow can be blocked.

NOTE:
Unless otherwise stated, the valves are manufactured in accordance with Art. 4 Para. 3 of the Pressure Equipment Directive PED 2014/68/EU.

The stated operating parameters of the valves refer only to non-overheated liquids of group 2 according to PED.

Technical data

Connection	:	BSP thread
Pressure range	:	see table
Medium	:	compressed air, liquids (please pay attention to the material resistances)
Pass	:	K-MU-805 : reduced pass K-MU-815 : ful pass
Temperature	:	-20°C up to max. 160°C (pressure dependent)

housing	ball	spindle	handle
stainless steel 1.4408	stainless steel 1.4401	stainless steel 1.4401	stainless steel - PVC coated 1.4301 / vinyl

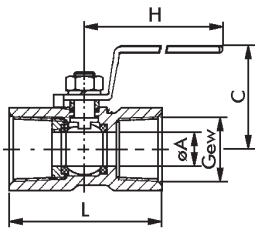
spindle sealing	ball sealing
PTFE / FKM	PTFE

2/2-Way Sleeve Valve

one piece body, double-sided female thread - with lever - reduced pass

stainless steel

order-no.	type	thread	ØA	PN bar	L	C	H	VPE
20100200	K-MU-805-1/4-22-II-VA	G1/4	5,0	63	39,0	30	70	1
20100201	K-MU-805-3/8-22-II-VA	G3/8	6,8	63	44.0	34	90	1
20100202	K-MU-805-1/2-22-II-VA	G1/2	9,2	63	56,5	41	100	1
20100203	K-MU-805-3/4-22-II-VA	G3/4	12,5	63	59.0	44	100	1
20100204	K-MU-805-1-22-II-VA	G1	15,0	63	71.0	50	110	1
20100205	K-MU-805-1 1/4-22-II-VA	G1¼	20,0	63	78,0	55	110	1
20100206	K-MU-805-1 1/2-22-II-VA	G1½	25,0	55	83,0	64	135	1
20100207	K-MU-805-2-22-II-VA	G2	32,0	55	100,0	70	145	1



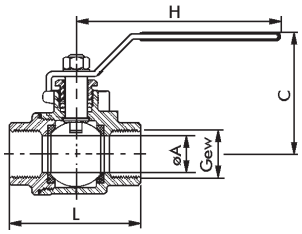
K10

2/2-Way Sleeve Valve

two piece body, double-sided female thread - with lever - full pass

stainless steel

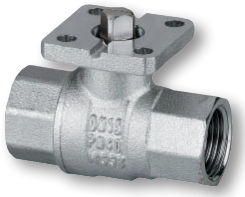
order-no.	type	thread	ØA	PN bar	L	C	H	VPE
20100215	K-MU-815-1/4-22-II-VA	G1/4	12,8	63	49,0	51	95	1
20100216	K-MU-815-3/8-22-II-VA	G3/8	12,8	63	49,0	51	95	1
20100217	K-MU-815-1/2-22-II-VA	G1/2	15,0	63	57,0	55	95	1
20100218	K-MU-815-3/4-22-II-VA	G3/4	20,0	63	65,0	59	110	1
20100219	K-MU-815-1-22-II-VA	G1	25,0	63	78,0	73	135	1
20100220	K-MU-815-1 1/4-22-II-VA	G1¼	32,0	63	90,5	78	135	1
20100221	K-MU-815-1 1/2-22-II-VA	G1½	38.0	63	105,0	91	165	1
20100222	K-MU-815-2-22-II-VA	G2	50,0	63	127,0	99	165	1
20100223	K-MU-815-2 1/2-22-II-VA	G2½	65,0	63	160,0	130	215	1
20100224	K-MU-815-3-22-II-VA	G3	80,0	63	180,0	142	215	1

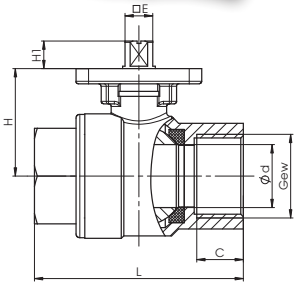


2/2-Way Sleeve Valve two piece body, double-sided female thread - flange plate ISO 5211 - full pass

stainless steel

order-no.	type	thread	Ød	PN bar	L	C	□E	H	H1	VPE
20110300	K-MU-860-1/4-22-II-VA-ISO	G1/4	8	63	50	14.0	9	32	7.0	1
20110301	K-MU-860-3/8-22-II-VA-ISO	G3/8	10	63	60	14.0	9	32	7.0	1
20110302	K-MU-860-1/2-22-II-VA-ISO	G1/2	15	63	76	18.0	9	40	7.0	1
20110303	K-MU-860-3/4-22-II-VA-ISO	G3/4	20	63	80	18.0	11	45	11.0	1
20110304	K-MU-860-1-22-II-VA-ISO	G1	25	63	90	19.0	11	49	11.0	1
20110305	K-MU-860-1 1/4-22-II-VA-ISO	G1¼	32	63	110	24,5	11	55	11.0	1
20110306	K-MU-860-1 1/2-22-II-VA-ISO	G1½	40	50	120	25.0	11	60	11.0	1
20110307	K-MU-860-2-22-II-VA-ISO	G2	50	50	140	26,5	14	73	15.0	1
20110308	K-MU-860-2 1/2-22-II-VA-ISO	G2½	65	50	185	40.0	17	93	18,5	1
20110309	K-MU-860-3-22-II-VA-ISO	G3	80	50	205	42,5	17	106	18,5	1





Sleeve Valves - stainless steel

2/2-way - three piece body - stainless steel 1.4408

NOTE:
Unless otherwise stated, the valves are manufactured in accordance with Art. 4 Para. 3 of the Pressure Equipment Directive PED 2014/68/EU.

The stated operating parameters of the valves refer only to non-overheated liquids of group 2 according to PED.

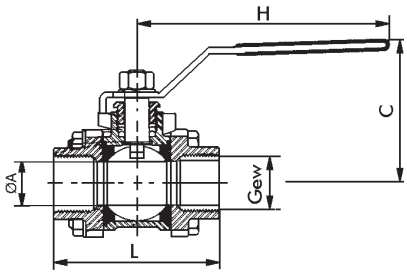
Application: 2/2-way stainless steel sleeve valves are applied in all cases where with agressive liquid or gaseous media in a tube or hose pipeline system the line has to be blocked. With a simple turning of the hand lever by 90° degrees a volume flow can be blocked.

Technical data

Connection	:	BSP thread
Pressure range	:	see table
Medium	:	Druckluft, Flüssigkeiten (bitte Materialbeständigkeiten beachten)
Pass	:	full pass
Temperature	:	-20°C up to max. 160°C (pressure dependent)

housing	ball	spindle	handle
stainless steel 1.4408	stainless steel 1.4401	stainless steel 1.4401	stainless steel - PVC coated 1.4301 / Vinyl

spindle sealing	ball sealing	stuffing box
PTFE	PTFE	PTFE



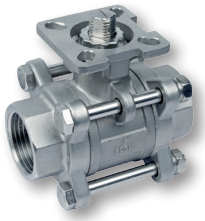
K10

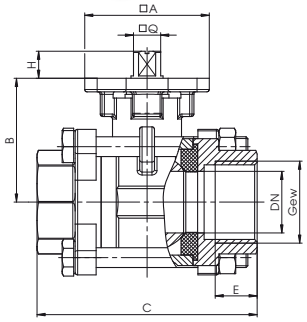
2/2-Way Sleeve Valve

three piece body, double-sided female thread - with lever - full pass

stainless steel

order-no.	type	thread	PN bar	ØA	L	C	H	VPE
20100230	K-MU-825-1/4-22-II-VA	G1/4	95	12,8	59.0	51	95	1
20100231	K-MU-825-3/8-22-II-VA	G3/8	95	12,8	59.0	51	95	1
20100232	K-MU-825-1/2-22-II-VA	G1/2	95	15.0	64.0	55	95	1
20100233	K-MU-825-3/4-22-II-VA	G3/4	95	20.0	75,0	59	110	1
20100234	K-MU-825-1-22-II-VA	G1	95	25.0	85.0	73	135	1
20100235	K-MU-825-1 1/4-22-II-VA	G1¼	85	32.0	97.0	78	135	1
20100236	K-MU-825-1 1/2-22-II-VA	G1½	85	38.0	110.0	91	165	1
20100237	K-MU-825-2-22-II-VA	G2	75	50,8	132.0	99	165	1
20100238	K-MU-825-2 1/2-22-II-VA	G2½	75	65.0	167.0	130	215	1
20100239	K-MU-825-3-22-II-VA	G3	75	80.0	187.0	142	215	1





2/2-Way Sleeve Valve

three piece body - flange plate ISO 5211 - full pass

stainless steel

order-no.	type	thread	DN	PN bar	□A	B	C	E	H	□Q	VPE
20110320	K-MU-870-1/4-22-II-VA-ISO	G1/4	8	63	42.0	32	60.0	13,5	7.0	9	1
20110321	K-MU-870-3/8-22-II-VA-ISO	G3/8	10	63	42.0	32	60.0	13,5	7.0	9	1
20110322	K-MU-870-1/2-22-II-VA-ISO	G1/2	15	63	42.0	40	73,5	16,5	7.0	9	1
20110323	K-MU-870-3/4-22-II-VA-ISO	G3/4	20	63	42.0	50	80.0	16,5	9.0	9	1
20110324	K-MU-870-1-22-II-VA-ISO	G1	25	63	50.0	57	90.0	19.0	11.0	11	1
20110325	K-MU-870-1 1/4-22-II-VA-ISO	G1¼	32	63	50.0	61	110.0	23,5	11.0	11	1
20110326	K-MU-870-1 1/2-22-II-VA-ISO	G1½	38	63	68.0	76	120.0	23,5	14.0	14	1
20110327	K-MU-870-2-22-II-VA-ISO	G2	50	50	68.0	84	140.0	26.0	14.0	14	1
20110328	K-MU-870-2 1/2-22-II-VA-ISO	G2½	65	50	96,5	100	185.0	40,5	18,5	17	1
20110329	K-MU-870-3-22-II-VA-ISO	G3	76	50	96,5	111	206.0	43.0	18,5	17	1

Technical and visual modifications are reserved.

Universal Ball Valve DVGW

2/2-Wege; housing: brass nickel-plated - full pass

Pmax: 40 bar
Pmax: max. 5 bar (gas)

Series K10

Application: These ball valves are applied in all cases where liquid or gaseous media have to be blocked. With a simple turning of the hand lever by 90° the line is blocked. When using in gas areas, please pay attention to the indicated reduced pressure ranges.
Tested according to EN331 (MOP 5) and suitable for installation with gas according to EN437.

NOTE:
Unless otherwise stated, the valves are manufactured in accordance with Art. 4 Para. 3 of the Pressure Equipment Directive PED 2014/68/EU.

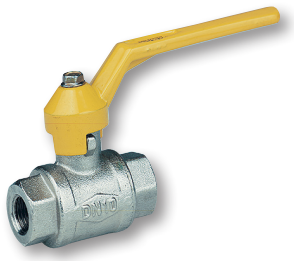
The stated operating parameters of the valves refer only to non-overheated liquids of group 2 according to PED.

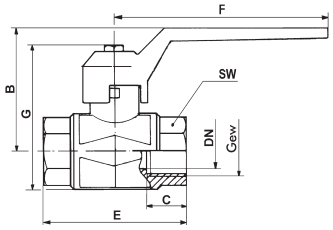
Technical data

Connection	:	Withworth tube thread, cylindrical
Pressure range	:	universal 40 bar - max. 5 bar with gas
Temperature	:	-15°C up to + 80°C
Medium	:	compressed air, liquids (please pay attention to the material resistances)
Mech. characterisitics	:	high surface protection by nickel-plating Tested according to EN331 (MOP 5) and suitable for installation with gas according to EN437.

Material:	housing	ball	handle
	brass nickel-plated	brass hartchrome-plated	aluminium yellow

Sealings:	spindle sealing	ball sealing
	2 o-rings (FKM)	PTFE





K10

2/2-Way Universal Ball Valve

double-sided female thread - with lever - full pass

brass nickel-plated
DIN EN331 (MOP 5) approved

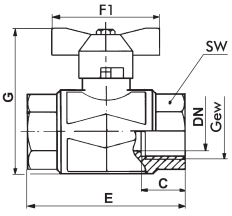
order-no.	type	thread	DN	B	C	E	F	G	SW	VPE
20082206	K-MU-103-1/4-22-II-MSv	G1/4	10	52	12	50	84	59	21	20
20088207	K-MU-103-3/8-22-II-MSv	G3/8	12	52	12	50	84	59	21	15
20084208	K-MU-103-1/2-22-II-MSv	G1/2	15	51	16	61	84	60	25	12
20080209	K-MU-103-3/4-22-II-MSv	G3/4	20	56	19	70	102	67	30	12
20085210	K-MU-103-1-22-II-MSv	G1	25	58	21	81	102	74	37	8
20084211	K-MU-103-1¼-22-II-MSv	G1¼	32	73	24	94	125	89	48	4
20086213	K-MU-103-1½-22-II-MSv	G1½	40	78	23	105	125	101	54	4
20088215	K-MU-103-2-22-II-MSv	G2	50	93	27	126	145	122	66	2

2/2-Way Universal Ball Valve

double-sided female thread - with toggle - full pass

brass nickel-plated
DIN EN331 (MOP 5) approved

order-no.	type	thread	DN	C	E	F1	G	SW	VPE
20080580	K-MU-123-1/4-22-II-MSv	G1/4	10	12	50	50	59	21	30
20080581	K-MU-123-3/8-22-II-MSv	G3/8	12	12	50	50	59	21	20
20080582	K-MU-123-1/2-22-II-MSv	G1/2	15	16	61	50	60	25	15
20080583	K-MU-123-3/4-22-II-MSv	G3/4	20	19	70	61	67	30	15
20080584	K-MU-123-1-22-II-MSv	G1	25	21	81	61	74	37	10

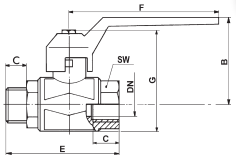


2/2-Way Universal Ball Valve

female-male thread - with lever - full pass

brass nickel-plated
DIN EN331 (MOP 5) approved

order-no.	type	thread	DN	B	C	E	F	G	SW	VPE
20080080	K-MU-143-1/4-22-IA-MSv	G1/4	10	52	12	57	84	58	21	20
20080081	K-MU-143-3/8-22-IA-MSv	G3/8	12	52	12	57	84	58	21	15
20080082	K-MU-143-1/2-22-IA-MSv	G1/2	15	51	16	70	84	70	25	12
20080083	K-MU-143-3/4-22-IA-MSv	G3/4	20	56	19	77	102	66	30	12
20080084	K-MU-143-1-22-IA-MSv	G1	25	58	21	88	102	74	37	8

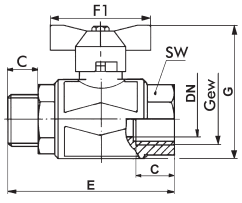


2/2-Way Universal Ball Valve

female-male thread - with toggle - full pass

brass nickel-plated
DIN EN331 (MOP 5) approved

order-no.	type	thread	DN	C	E	F	G	SW	VPE
20080100	K-MU-163-1/4-22-IA-MSv	G1/4	10	12	57	50	58	21	30
20080101	K-MU-163-3/8-22-IA-MSv	G3/8	12	12	57	50	58	21	20
20080102	K-MU-163-1/2-22-IA-MSv	G1/2	15	16	70	50	70	25	15



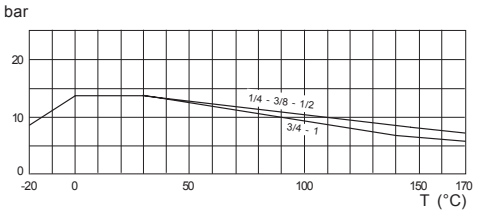
Sleeve Valves - with exhaust vent
3/2-way; housing: brass nickel-plated - full pass

Padlock **not** included in scope of delivery

Einsatz: Sleeve Valves are used in all cases where with liquid or gaseous media in a tube or hose pipeline system the line has to be vented. With a simple turning of the hand lever by 90° the volume flow can be blocked and vented.

Technical data

Connection : female thread according DIN ISO 228
Pressure range : max. 14 bar (temperature depending see diagram)



Temperature : - 20°C up to +100°C
Medium : mainly compressed air
Mech. characterisitics : high surface protection by nickel-plating

Material:	housing	ball	handle
	brass nickel-plated	brass chrome-plated	steel / PVC coated

Sealings:	spindle sealing	ball sealing
	PTFE	PTFE

K10

NOTE:
Unless otherwise stated, the valves are manufactured in accordance with Art. 4 Para. 3 of the Pressure Equipment Directive PED 2014/68/EU.

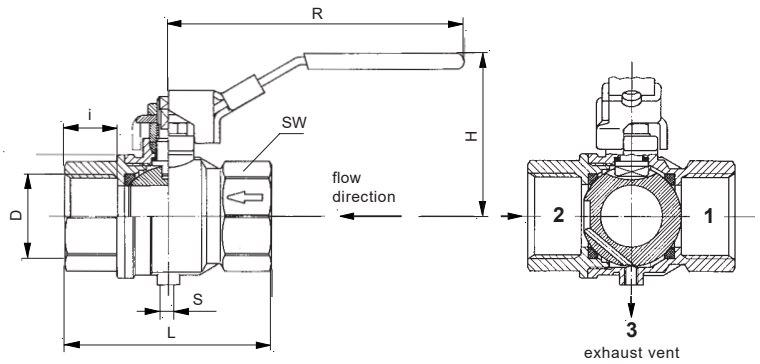
The stated operating parameters of the valves refer only to non-overheated liquids of group 2 according to PED.

3/2-Way Sleeve Valve - mit Entlüftung
female thread - with lever - full pass

brass nickel-plated
lockable

order-no.	type	thread	DN	PN bar	l	L	H	R	S	SW	VPE
20091056	K-MU-105-1/4-32-II-E-MSv	G1/4	6	14	10	45	47	96	M5	20	12
20097057	K-MU-105-3/8-32-II-E-MSv	G3/8	10	14	10	45	47	96	M5	20	12
20093058	K-MU-105-1/2-32-II-E-MSv	G1/2	15	14	14	59	52	96	M5	25	8
20099059	K-MU-105-3/4-32-II-E-MSv	G3/4	20	14	15	64	59	116	M5	31	12
20090060	K-MU-105-1-32-II-E-MSv	G1	25	14	20	81	63	116	M5	40	8
20090061	K-MU-105-1 1/4-32-II-E-MSv	G 1¼	32	14	23	93	80	156,5	G1/4	49	1
20090062	K-MU-105-1 1/2-32-II-E-MSv	G 1½	40	14	23	102	86	156,5	G1/4	54	1
20090063	K-MU-105-2-32-II-E-MSv	G 2	50	14	26,5	121	93	156,5	G1/4	68,5	1

Bore for padlock: Ø 7 mm



Technical and visual modifications are reserved.

L-Sleeve Valve
3/2-way; housing: brass nickel-plated - full pass

Application: 3/2-way-L- Sleeve Valves — with exhaust are applied in all cases where by turning of the hand lever by 90° the compressed air or the liquid flow has to be diverted/ redirected. Please pay attention that the type K-MU-360-MSv is sealed on all sides so that compressed-air connection is possible from all sides.

Technical data

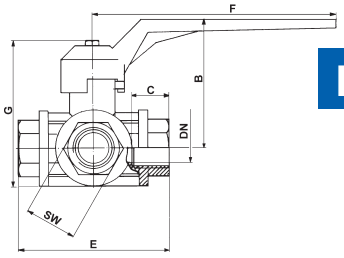
Connection	:	Withworth tube thread, cylindrical
Pressure range	:	see table (PN in bar)
Temperature	:	- 15°C up to + 80°C
Medium	:	compressed air, liquids (please pay attention to the material resistances)
Mech. characterisitics	:	high surface protection by nickel-plating

Material:	housing	ball	handle
	brass nickel-plated	brass hartchrome-plated	aluminium red

Sealings:	spindle sealing	ball sealing
	PTFE	PTFE

NOTE:
Unless otherwise stated, the valves are manufactured in accordance with Art. 4 Para. 3 of the Pressure Equipment Directive PED 2014/68/EU.

The stated operating parameters of the valves refer only to non-overheated liquids of group 2 according to PED.



K10

3/2-Wege-L-ball Valve
brass nickel-plated

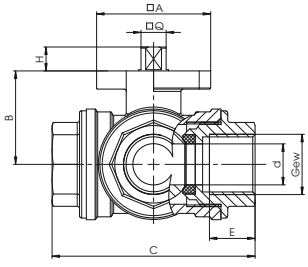
L-bore, female thread – with lever – full bore – not free of crossover – air connection all sides

order-no.	type	thread	DN	PN bar	B	C	E	F	G	SW	VPE
20092656	K-MU-360-1/4-32-L-II-MSv	G1/4	10	16	65	19	77	125	75	22	4
20098657	K-MU-360-3/8-32-L-II-MSv	G3/8	12	16	65	19	77	125	75	22	4
20094658	K-MU-360-1/2-32-L-II-MSv	G1/2	14	16	65	19	77	125	75	27	4
20090659	K-MU-360-3/4-32-L-II-MSv	G3/4	18	16	83	23	92	145	91	34	2
20091660	K-MU-360-1-32-L-II-MSv	G1	23	16	96	25	104	170	105	41	2
20090661	K-MU-360-1¼-32-L-II-MSv	G1¼	29	16	102	27	118	170	115	50	2
20092663	K-MU-360-1½-32-L-II-MSv	G1½	36	16	109	31	138	170	128	57	2
20094665	K-MU-360-2-32-L-II-MSv	G2	45	16	139	36	162	260	165	70	1

3/2-Wege-L-ball Valve
brass nickel-plated

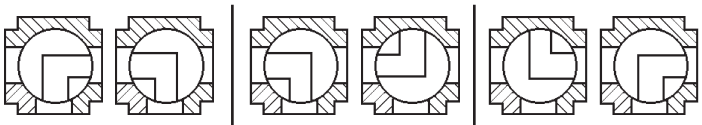
L-bore, female thread - with flange plate ISO 5211 - reduced - not free of crossover - air connection all sides

order-no.	type	thread	d	PN bar	□A	B	C	E	H	□Q	VPE
20090280	K-MU-380-1/4-32-L-II-MSv-ISO	G1/4	10	30	38	38.0	65	65.0	8	9	1
20090281	K-MU-380-3/8-32-L-II-MSv-ISO	G3/8	10	30	38	38.0	65	65.0	8	9	1
20090282	K-MU-380-1/2-32-L-II-MSv-ISO	G1/2	14	30	38	38.0	78	78.0	8	9	1
20090283	K-MU-380-3/4-32-L-II-MSv-ISO	G3/4	19	30	50	50.0	87	87.0	11	11	1
20090284	K-MU-380-1-32-L-II-MSv-ISO	G1	24	20	50	50.0	105	105.0	11	11	1
20090285	K-MU-380-1 1/4-32-L-II-MSv-ISO	G1¼	30	20	50	50.0	118	118.0	11	11	1
20090286	K-MU-380-1 1/2-32-L-II-MSv-ISO	G1½	38	16	70	70.0	134	134.0	15	14	1
20090287	K-MU-380-2-32-L-II-MSv-ISO	G2	48	16	70	70.0	161	161.0	15	14	1



Switching positions L-bore

- sealed on all sides
- air connection possible on all sides
- rotary motion max. 90°
- 6 positions possible by three times moving of the hand lever



Position 1 | Position 2 | Position 3

Sleeve Valves with T-bore

3/2-way; body: brass nickel-plated – full pass

NOTE:
Unless otherwise stated, the valves are manufactured in accordance with Art. 4 Para. 3 of the Pressure Equipment Directive PED 2014/68/EU.

The stated operating parameters of the valves refer only to non-overheated liquids of group 2 according to PED.

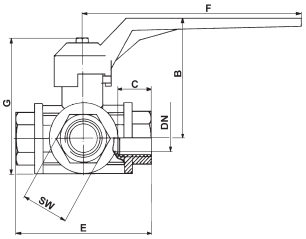
Application: 3/2-way T-ball valves are used in all cases where by turning of the hand lever by 90° the air pressure or the liquid flow has to be diverted/ redirected. Please pay attention that the type K-MU-440-MSv is sealed on all sides so that a compressed-air connection is possible from all sides.

Technical data

Connection	:	Withworth-tube thread, cylindrical
Pressure range	:	see table (PN in bar)
Temperature	:	-15°C up to +80°C
Medium	:	compressed air, liquids (please pay attention to the material resistances)
Mech. characterisitics	:	high surface protection by nickel-plating

Material:	housing	ball (full)	handle
	brass nickel-plated	brass hartchrome-plated	aluminium red

Sealings:	spindle sealing	ball sealing
	PTFE	PTFE



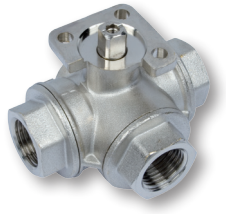
K10

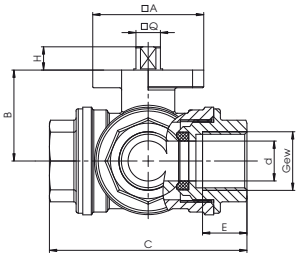
3/2-Way-T-Sleeve Valve

brass nickel-plated

T-bore, female thread – with lever – full bore - not free of crossover - air connection all sides

order-no.	type	thread	DN	PN bar	B	C	E	F	G	SW	VPE
20094706	K-MU-440-1/4-32-T-II-MSv	G1/4	10	40	65	19	77	125	75	22	4
20090707	K-MU-440-3/8-32-T-II-MSv	G3/8	12	40	65	19	77	125	75	22	4
20096708	K-MU-440-1/2-32-T-II-MSv	G1/2	14	40	65	19	77	125	75	27	4
20092709	K-MU-440-3/4-32-T-II-MSv	G3/4	18	40	83	23	92	145	91	34	2
20097710	K-MU-440-1-32-T-II-MSv	G1	23	25	96	25	104	170	105	41	2
20096711	K-MU-440-1¼-32-T-II-MSv	G1¼	29	16	102	27	118	170	115	50	2
20098713	K-MU-440-1½-32-T-II-MSv	G1½	36	16	109	31	138	170	128	57	2
20090715	K-MU-440-2-32-T-II-MSv	G2	45	16	139	36	162	260	165	70	2





3/2-Wege-T-Sleeve Valve

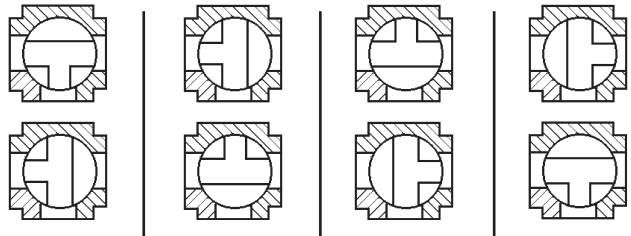
brass nickel-plated

T-bore, female thread - flange plate ISO 5211 - reduced - not free of crossover - air connection all sides

order-no.	type	thread	d	PN bar	□A	B	C	E	H	□Q	VPE
20090290	K-MU-390-1/4-32-T-II-MSv-ISO	G1/4	10	30	38	30.0	65	15.0	8	9	1
20090291	K-MU-390-3/8-32-T-II-MSv-ISO	G3/8	10	30	38	30.0	65	15.0	8	9	1
20090292	K-MU-390-1/2-32-T-II-MSv-ISO	G1/2	14	30	38	33.0	78	17.0	8	9	1
20090293	K-MU-390-3/4-32-T-II-MSv-ISO	G3/4	19	30	50	42.0	87	18.0	11	11	1
20090294	K-MU-390-1-32-T-II-MSv-ISO	G1	24	20	50	47.0	105	21.0	11	11	1
20090295	K-MU-390-1 1/4-32-T-II-MSv-ISO	G1¼	30	20	50	52.0	118	23,5	11	11	1
20090296	K-MU-390-1 1/2-32-T-II-MSv-ISO	G1½	38	16	70	70.0	134	23,5	15	14	1
20090297	K-MU-390-2-32-T-II-MSv-ISO	G2	48	16	70	79,5	161	27,5	15	14	1

Switching T-bore

- sealed on all sides
- air connection possible on all sides
- rotary motion max. 90°
- 8 positions possible by four times moving of the hand lever



Position 1 | Position 2 | Position 3 | Position 4

Technical and visual modifications are reserved.

Sleeve Valves - stainless steel

3/2-way - two piece body - stainless steel 1.4408 - lockable

Application: 3/2-way Sleeve Valve with L- or T-bore are applied in all cases where by turning of the hand lever by 90° degrees, an agressive gas- or liquid flow has to be diverted.

Technical data

Connection	:	BSP thread
Pressure range	:	max. 70 bar
Medium	:	compressed air, liquids (please pay attention to the material resistances)
Pass	:	reduced bore
Temperature	:	-20°C up to +160°C (pressure dependent)

housing	ball	spindle	spindle disc / nut
stainless steel 1.4408	stainless steel 1.4401	stainless steel 1.4401	stainless steel - PVC coated 1.4301 / vinyl

spindle sealing	ball sealing	handle lockable
PTFE / FKM	PTFE	1.4301 - PVC coated

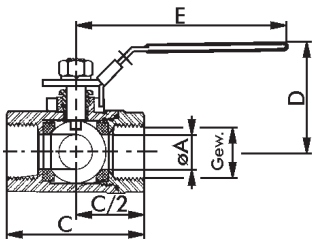
NOTE:
Unless otherwise stated, the valves are manufactured in accordance with Art. 4 Para. 3 of the Pressure Equipment Directive PED 2014/68/EU.

The stated operating parameters of the valves refer only to non-overheated liquids of group 2 according to PED.

3/2-Way-L-Sleeve Valve — stainless steel

L-bore, emale thread – with lever – reduced bore - not free of crossover - air connection all side

order-no.	type	thread	PN bar	C	D	E	øA	VPE
20100260	K-MU-845-1/4-L-32-II-VA	G1/4	69	64	60	132	12,7	1
20100261	K-MU-845-3/8-L-32-II-VA	G3/8	69	64	60	132	12,7	1
20100263	K-MU-845-1/2-L-32-II-VA	G1/2	69	75	60	132	12,7	1
20100264	K-MU-845-3/4-L-32-II-VA	G3/4	69	84	73	155	16,0	1
20100265	K-MU-845-1-L-32-II-VA	G1	69	101	80	155	20,0	1
20100266	K-MU-845-1 1/4-L-32-II-VA	G1¼	69	119	85	155	25,0	1
20100267	K-MU-845-1 1/2-L-32-II-VA	G1½	69	130	103	210	32,0	1
20100268	K-MU-845-2-L-32-II-VA	G2	69	151	110	210	38,0	1

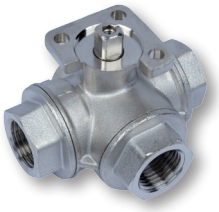


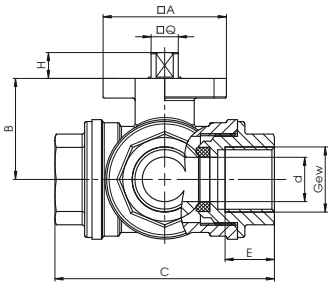
K10

3/2-Way-L-Sleeve Valve - L-bore, — stainless steel

female thread - flange plate ISO 5211 - reduced bore - not free from crossover - air connections all sides

order-no.	type	thread	d	PN bar	□A	B	C	E	□Q	VPE
20100280	K-MU-880-1/2-L-32-II-VA-ISO	G1/2	12	63	42.0	39.0	68	13	9	1
20100281	K-MU-880-3/4-L-32-II-VA-ISO	G3/4	15	63	42.0	42,5	88	18	9	1
20100282	K-MU-880-1-L-32-II-VA-ISO	G1	20	63	50.0	49.0	90	18	11	1
20100283	K-MU-880-1 1/4-L-32-II-VA-ISO	G1¼	25	63	50.0	54.0	105	20	11	1
20100284	K-MU-880-1 1/2-L-32-II-VA-ISO	G1½	32	50	68.0	63,5	120	23	14	1
20100285	K-MU-880-2-L-32-II-VA-ISO	G2	43	50	68.0	72,5	140	26	14	1
20100286	K-MU-880-2 1/2-L-32-II-VA-ISO	G2½	55	50	96,5	100,5	185	30	18	1
20100287	K-MU-880-3-L-32-II-VA-ISO	G3	66	50	96,5	110.0	205	33	18	1



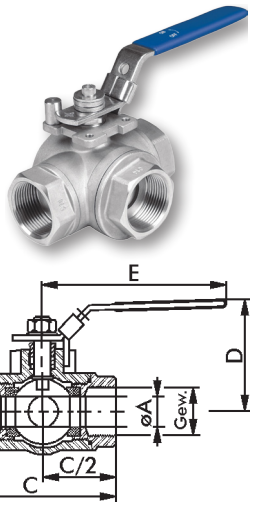


Switching L-bore

- sealed on all sides
- air connection possible on all sides
- rotary motion max. 90°
- 2 positions possible

Sleeve Valves - stainless steel

3/2-way - 2 piece body - stainless steel 1.4408 - lockable



3/2-Way-T-Sleeve Valve

stainless steel

T-bore, female thread - with lever - reduced bore - not free of crossover - air connection all sides

order-no.	type	thread	PN bar	C	D	E	øA	VPE
20100270	K-MU-855-1/4-T-32-II-VA	G1/4	69	64	60	132	12,7	1
20100271	K-MU-855-3/8-T-32-II-VA	G3/8	69	64	60	132	12,7	1
20100272	K-MU-855-1/2-T-32-II-VA	G1/2	69	75	60	132	12,7	1
20100273	K-MU-855-3/4-T-32-II-VA	G3/4	69	84	73	155	16,0	1
20100274	K-MU-855-1-T-32-II-VA	G1	69	101	80	155	20,0	1
20100275	K-MU-855-1 1/4-T-32-II-VA	G1¼	69	119	85	155	25,0	1
20100276	K-MU-855-1 1/2-T-32-II-VA	G1½	69	130	103	210	32,0	1
20100277	K-MU-855-2-T-32-II-VA	G2	69	151	110	210	38,0	1

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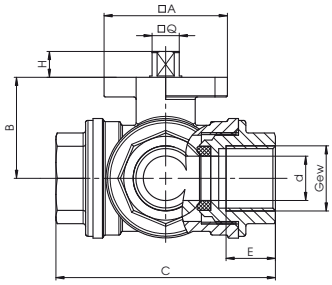


3/2-Way-T-Sleeve Valve - T-bore,

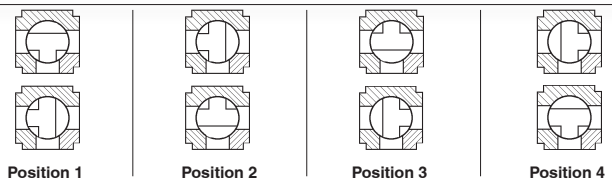
stainless steel

female thread - flange plate ISO 5211 - reduced bore - not free of crossover - air connection all sides

order-no.	type	thread	d	PN bar	□A	B	C	E	H	□Q	VPE
20100290	K-MU-890-1/2-T-32-II-VA-ISO	G1/2	12	63	42.0	39.0	68	13	9	9	1
20100291	K-MU-890-3/4-T-32-II-VA-ISO	G3/4	15	63	42.0	42,5	88	18	8	9	1
20100292	K-MU-890-1-T-32-II-VA-ISO	G1	20	63	50.0	49.0	90	18	11	11	1
20100293	K-MU-890-1 1/4-T-32-II-VA-ISO	G1¼	25	63	50.0	54.0	105	20	11	11	1
20100294	K-MU-890-1 1/2-T-32-II-VA-ISO	G1½	32	50	68.0	54.0	120	23	14	14	1
20100295	K-MU-890-2-T-32-II-VA-ISO	G2	43	50	68.0	72,5	140	26	14	14	1
20100296	K-MU-890-2 1/2-T-32-II-VA-ISO	G2½	55	50	96,5	100,5	185	30	18	17	1
20100297	K-MU-890-3-T-32-II-VA-ISO	G3	66	50	96,5	110.0	205	33	18	19	1

Switching positions T-bore

- sealed on all sides
- air connection possible on all sides
- rotary motion max. 90°
- 8 positions possible by four times moving of the hand lever



Technical and visual modifications are reserved.

Technical data		
Connection	:	flange connection DN 2633
Pressure range	:	see table
Medium	:	compressed air, liquids, aggressive media (please pay attention to the material resistances))
Pass	:	full bore
Temperature range	:	-20°C up to + 160°C

housing	ball	spindle	spindle disc / nut
stainless steel 1.4408	stainless steel 1.4401	stainless steel 1.4401	stainless steel 1.4301

spindle sealing	ball sealing
PTFE / FKM	PTFE

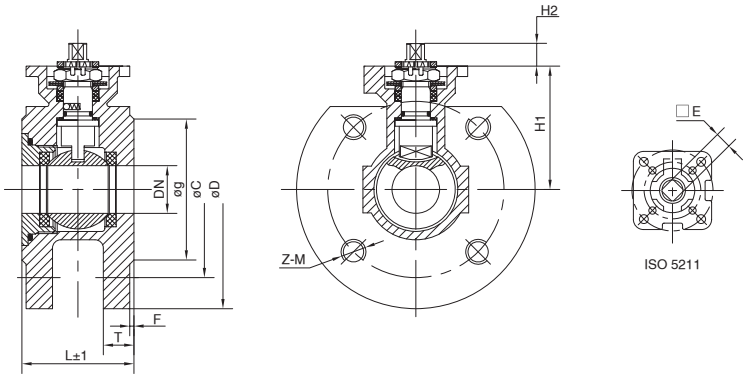
NOTE:
Unless otherwise stated, the valves are manufactured in accordance with Art. 4 Para. 3 of the Pressure Equipment Directive PED 2014/68/EU.

The stated operating parameters of the valves refer only to non-overheated liquids of group 2 according to PED.

2/2-Way-Compact-Sleeve Valve
2 piece body, flange plate ISO 5211 - full pass - flange connection DIN 2633

stainless steel

order-no.	type	DN	PN bar	D	C	g	T	□E	F	L	H1	H2	Z-M	VPE
20100245	K-KK-835-15-22-VA-ISO	15	16	95	65	45	10	9	2.0	42	48,5	7,5	4-12	1
20100246	K-KK-835-20-22-VA-ISO	20	16	105	75	58	12	9	2.0	44	54.0	9.0	4-12	1
20100247	K-KK-835-25-22-VA-ISO	25	16	115	85	68	15	11	2.0	50	60.0	11.0	4-12	1
20100248	K-KK-835-32-22-VA-ISO	32	16	140	100	78	15	11	2.0	60	72.0	11.0	4-16	1
20100249	K-KK-835-40-22-VA-ISO	40	16	150	110	88	16	14	2,5	65	78,5	14.0	4-16	1
20100250	K-KK-835-50-22-VA-ISO	50	16	165	125	102	18	14	2,5	80	84.0	14.0	4-16	1
20100251	K-KK-835-65-22-VA-ISO	65	16	185	145	122	18	17	2,5	110	103.0	18,5	4-16	1
20100252	K-KK-835-80-22-VA-ISO	80	16	200	160	138	18	17	2,5	120	115.0	18,5	8-16	1
20100253	K-KK-835-100-22-VA-ISO	100	16	220	180	158	22	19	2,5	150	130.0	18,5	8-16	1
20100254	K-KK-835-125-22-VA-ISO	125	16	250	210	188	22	22	3.0	180	175.0	25.0	8-16	1
20100255	K-KK-835-150-22-VA-ISO	150	16	285	240	212	22	27	3.0	225	190.0	25.0	8-20	1



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Notes